The AccelePort Xem asynchronous system is an expandable, modular and intelligent serial communication solution designed specifically for small to mid-size multiuser installations. This product is especially well-suited for applications that are expected to start small and grow over time to as many as 64 ports.

This flexible system enables you to connect up to 64 RS-232 or RS-422 serial ports to a Universal PCI (3.3v & 5v) or ISA-based computer. The result is a fast, reliable way to connect terminals, printers, modems, instruments and other serial peripheral devices, making it ideal for applications such as data acquisition, office/factory automation and industrial process control.

The AccelePort Xem system features a host adapter card with an on-board RISC-based processor that delivers up to 115.2 Kbps performance per port. The system also includes a compact Digi PORTS module that provides access to eight or 16 serial ports. PORTS modules can also be Ethernet-enabled using the PortServer® II.

The AccelePort Xem has driver support for a wide array of popular operating systems. It features the same quality, reliability and after-sales technical support that has made Digi the leader in serial connectivity.

Digi International, the leader in Connectware, makes device networking easy by developing products and technologies that are cost-effective and easy to use. With over 20 million ports shipped worldwide, Digi has been offering the highest levels of performance, flexibility, and quality since 1985.
FEATURES

AccelePort Xem Host Card
- Supports both Universal PCI (3.3v & 5v) and ISA platforms
- PCI 2.3/PCI-X compatible
- Low profile PCI option
- Data transfer rates up to 115.2 Kbps per port
- One host card supports up to four Digi PORTS modules for a maximum of 64 ports
- Auxiliary power supply package (PN 76000109 in North America or 76000231 for International) required when using more than two PORTS modules on modules 3 & 4
- On-board IDT 3081 RISC processor with patented Front End Processor/Operating System (FEPOS)

Digi PORTS Modules
- Interchangeable between ISA and PCI platforms & PortServer II
- Eight or 16 RS-232 asynchronous serial ports (RJ-45 or DB-25)
- 1U 19-inch rack mount PORTS/16em for RS-232
- 16 RS-422 asynchronous serial ports (DB-25)
- Modules can connect to Digi EPC/CON concentrators or PortServer II
- External Bus Interface (EBI) technology uses HD44 female connectors on PORTS modules to daisy-chain additional ports via 16-inch (40.6 cm) cable
- Surge protection on all signals
- Supports full modem control and full hardware handshaking (CTS, RTS, DSR, DTR and DCD) on all channels

OPERATING SYSTEMS

- ACPI
- Compaq Tru64 UNIX, OpenVMS®
- HP-UX
- Windows® 95/98/ME
- Windows NT®
- Windows 2000/XP
- Windows Server™ 2003
- Linux
- Novell NetWare®
- OS/2®
- QNX®
- SCO OpenServer, UnixWare
- Solaris® SPARC, Intel

SYSTEM REQUIREMENTS

ISA Host Card
- One full-length 16-bit slot
- 32K unused memory address space for static RAM
- One unused I/O port address

PCI Host Card
- One full-length 32-bit or 64-bit slot
- One 3.3v or 5v slot

ENVIRONMENTAL

- Ambient temperature: 50°F to 131°F (10°C to 55°C)
- Storage temperature: -13°F to +125°F (-25°C to +85°C)
- Relative humidity: 5% to 90% (non-condensing)
- Altitude: 0 to 12,000 feet (0 to 3,600 meters)
- Air movement: 30 CFM forced

REGULATORY APPROVALS

- FCC Part 15, Class B
- ICES-003 Class B
- EN55022, Class B
- EN55022-2
- UL 1950
- CSA 22.2 No 950
- EN60950

DIAGRAMS

- RS-232 Solutions (Kit includes card, 5'(1.5m) EBI cable and PORTS module)
- RS-422 Solutions (Kit includes card, 5'(1.5m) EBI cable and PORTS module)

MODEL . . . . . . . . . . . . . . . . .PART NUMBERS

High Profile PCI Low Profile PCI

AccelePort 8em-PCI RJ-45 70001206 70002009
AccelePort 8em-PCI DB-25 70001208 70002008
AccelePort 16em-PCI RJ-45 70001201 70002011
AccelePort 16em-PCI DB-25 70001203 70002010
AccelePort 16em-PCI RJ-45 rack (1U 19-inch rack) 70001757 70002012

RS-232 Solutions (Kit includes card, 5'(1.5m) EBI cable and PORTS module)

Expansion Modules

PORTS/8em module DB-25 † 76000120 76000120
PORTS/8em module RJ-45 † 76000122 76000122
PORTS/16em module DB-25 † 76000073 76000073
PORTS/16em module RJ-45 † 76000074 76000074
PORTS/16em rack JIC-25 † (1U 19-inch rack) 76000617 76000617
PORTS/16em module RS-22D-25 † (NA version ships w/power supply & power cord) 76000535 76000535
PORTS/16em module RS-22D-DB 76000548 76000548

HIGH PROFILE PCI

Xem 120v Power Supply Package 76000109 76000109
Xem International Power Supply Package (100-250v) 76000321 76000321
19" Rack Mount Chasis (2U) 76000611 76000611
48" Cable RJ-45 to DB-25M straight-through (One adapter cable needed per port) 76000195 76000195
48" Cable RJ-45 to DB-9M straight-through (One adapter cable needed per port) 76000240 76000240
48" Cable RJ-45 to DB-25M crossover (One adapter cable needed per port) 76000238 76000238
48" Cable RJ-45 to DB-9M crossover (One adapter cable needed per port) 76000264 76000264

For ISA bus part numbers, visit www.digi.com.